

H1117.8

Barrier-Free Wall Mounted Electric Drinking Fountain



FEATURES & BENEFITS

Back Panel

Stainless steel back panel helps to protect the wall from inadvertent splashing, and its decorative satin finish increases location visibility and completes the fountain's attractive appearance.

Integrated Trap

Spacious fountain design allows for the trap to be internally mounted which allows for easy access, and aids and reduces the installation process.

Antimicrobially Treated

Specific components are antimicrobially treated using the natural protection of silver. Silver helps protect against the growth of mold and mildew on the treated components. Treated surfaces include bubbler head, push button, waste strainer and trap.

Quality Control

Both fountains are pre-built and fully water and pressure tested to ensure no leaks and proper function for reduced installation time and added peace of mind.

Mounting

Heavy-duty galvanized steel mounting frame provides the sturdy hidden support needed for the "Hi-Lo" configuration of this unit. Further convenience is given to the chiller with the integral fold-out shelf.

Push Button

With its patented (Pat.# 6,981,692) push-button valve assembly which allows for front access stream adjustment as well as cartridge and strainer access, this fountain offers the ultimate in ease of maintenance.

Configurable

Supplied with a low profile bowl, individual adjustable panels, and multiple mounting positions, this fountain can be configured for adult and child ADA considerations.

Construction

Heavy-duty 14 gauge Type 304 Stainless Steel construction with integral 1/4" mounting plates for extra durability. Unit also includes vandal-resistant bottom plates for added peace-of-mind.

Bubbler Head

Polished chrome-plated brass bubbler head features an integral basin shank for added strength, and is equipped with a shielded, anti-squirt orifice that provides a steady sanitary source of water.



SPECIFICATIONS

Model H1117.8 electric "Hi-Lo" wall mounted barrier-free drinking fountain shall include dual 14 gauge Type 304 Stainless Steel satin finish basins, antimicrobially treated push-button, bubbler head, waste strainer and trap to protect against the growth of mold and mildew on the treated components. Push-button operated valves with front-accessible cartridge and flow adjustment, polished chrome-plated brass vandal-resistant bubbler heads, and polished chrome-plated vandal-resistant waste strainers. Unit shall also include a vandal-resistant bottom plates, stainless steel satin finish back panel and louvered intrusion-proof grill, high and low fountain mounting levels, and 1-1/4" IPS traps. Unit can be mounted to meet ADA or Child ADA specifications. The R-134a refrigeration system is hermetically sealed and delivers a minimum of 8 gph (30.3 lph) of water at 50°F (10°C) cooled from 80°F (26.7°C) inlet water at 90°F (32.2°C) ambient. 115 Volts, 60Hz, rated watts: 370, full load

APPLICATIONS

Perfect for either public or private settings, our stainless steel electric drinking fountains are a great fit in indoor environments. This series is precisely mounted, making it a nice addition to any surrounding. Specifically, this type fountain may be placed in settings such as: schools, office buildings, shopping malls, and other indoor environments where there is a demand for a chilled water source and/or wheel chair access.

Model meets all current Federal Regulations for the disabled including those in the Americans with Disabilities Act. Electric water coolers are not recommended or designed for outdoor applications or enclosed pool areas (chlorine). These conditions may void warranty. Haws manufactures drinking fountains, electric water coolers and electric drinking fountains to be lead-free by all known definitions including ANSI/NSF Standard 61, Section 9, California Proposition 65, and the Federal Safe Drinking Water Act. Haws electric water coolers comply with ARI Standard 1010 and ANSI A117.1, and be listed by Underwriter Canadian standards.



OPTIONS

- Bubbler Head: Model 5725 EnviroGard™ bubbler is a polished chrome-plated solid brass bubbler head with stainless steel water activated pop up canopy. (Pat.# 7,025,282)
- Filter: Model 6426, 12" x 2", in-line lead removal element that reduces lead from incoming water supply.

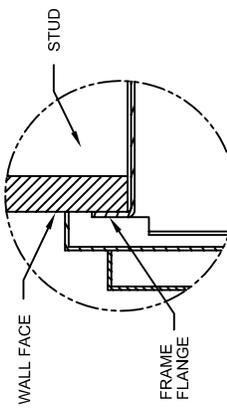


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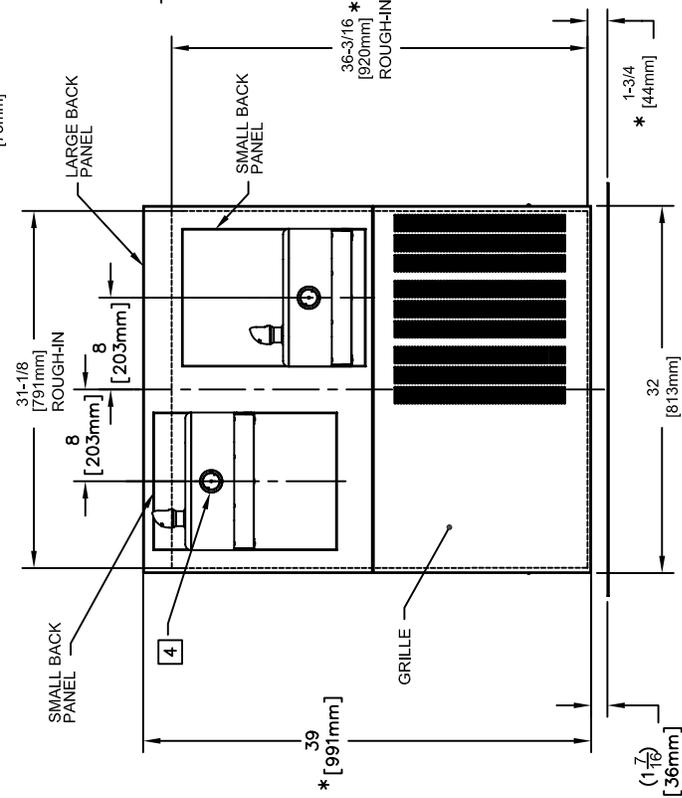
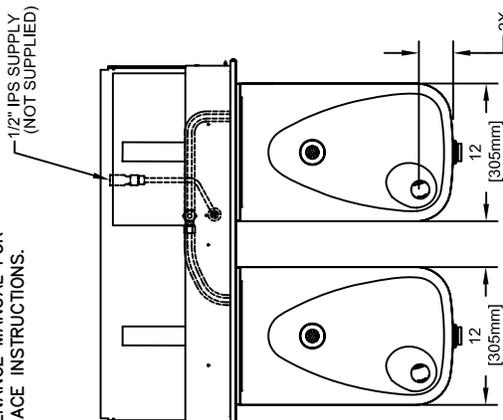
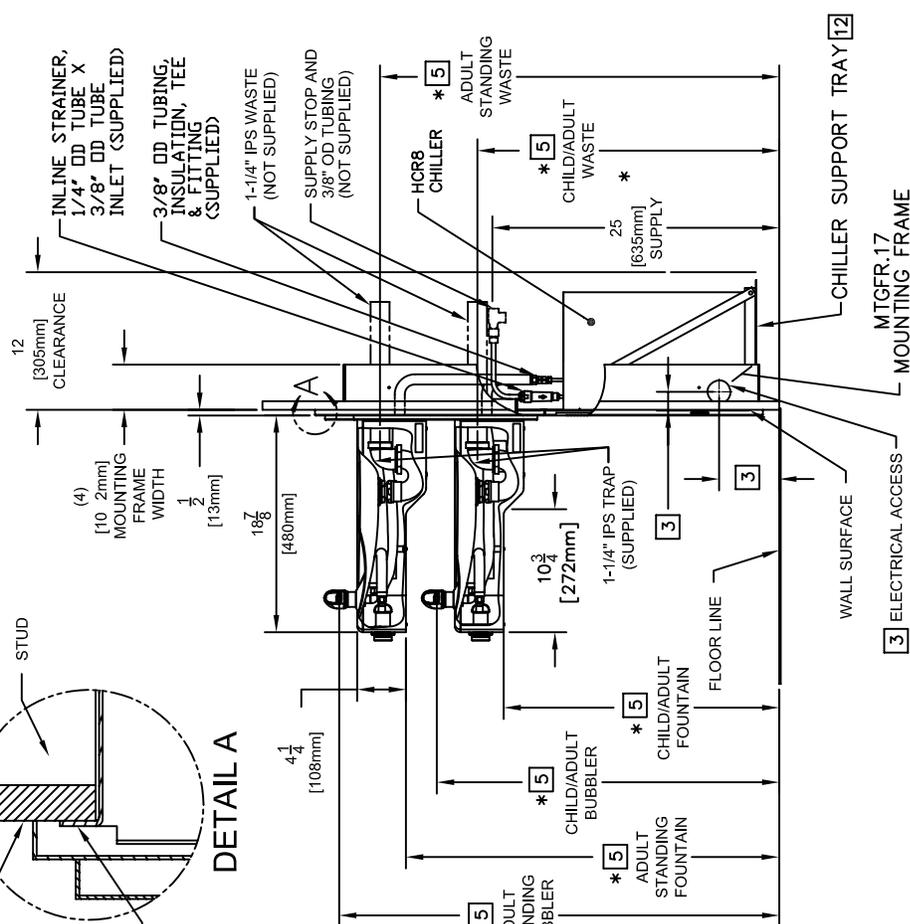
NOTES:

- HOLD ROUGH-IN DIMENSIONS ± 1/8" (3.2mm)
- WHEN INSTALLING THIS UNIT, LOCAL, STATE, OR FEDERAL CODES SHALL BE ADHERED TO FOR DIMENSIONS (LOCATIONS), WASTE AND SUPPLY REQUIREMENTS OTHER THAN SHOWN, DIMENSIONS MARKED (*) MUST BE ADJUSTED ACCORDINGLY.
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- REFER TO 5874/VRK5874 OPERATION AND MAINTENANCE MANUAL FOR PUSH BUTTON AND VALVE INSTALLATION/MAINTENANCE INSTRUCTIONS.
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 FOUNTAIN: 24" (610mm)
 BUBBLER: 29-7/8" (756mm)
 ADULT WHEELCHAIR HEIGHT: SEE SHT 2 FIG 2
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 FOUNTAIN: 27" (686mm)
 BUBBLER: 32-7/8" (832mm)
 ADULT STANDING HEIGHT: SEE SHT 2 FIG 3
 WASTE: 34-3/4" (883mm)
 FOUNTAIN: 32-1/2" (826mm)
 BUBBLER: 38-3/8" (972mm)
- REFER TO MODEL H1117.8 INSTALLATION DRAWING SHEET 2 OF 2 (ON HAWS WEBSITE WWW.HAWS.CO.COM) FOR PERMISSABLE BOWL MOUNTING PATTERNS. TWO WHEELCHAIR HEIGHT FOUNTAINS CANNOT BE MOUNTED SIDE BY SIDE PER ANSI A117.1

NOTES CONTINUED ON SHEET 2 OF 2



DETAIL A



Haws Corporation

INFO FAX : 1-888-FAX-HAWS (1-888-329-4297)
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 Haws Ag Bachweg 3 CH-3401 Burgdorf Switzerland
 Haws Mfg Pte Ltd 74 Sungai Kadut Loop Singapore 729531
 e-mail: Haws@hawsco.com website: www.hawsco.com

FOR NO. 1 REVISED PER INT. DATE: 11/10/08
 DESIGNED BY: LEON-4181
 DRAWING NUMBER: H1117.8
 APPROVED BY: C.F.
 MODEL(S): H1117.8
 INFO FAX DOC. #: 2411178
 SCALE: 1/4" = 1'-0"

PART NUMBER: 0002080215.D
 DRAWING NUMBER: 15274A00
 REV: 4
 SIZE: A 1 SHT. 1 OF 2

INSTALLATION/FABRACK



INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

1455 Kleppe Lane ♦ Sparks, NV 89431-6467 ♦ (775) 359-4712 ♦ Fax (775) 359-7424
HAWS AG ♦ Bachweg 3 ♦ CH-3401 Burgdorf ♦ Switzerland
Haws Mfg. Pte Lt. ♦ 2A Sungei Kadet Drive ♦ Singapore 729554
Avlis-Avenida Senador, Testonio Vilela ♦ 505 Jardim Aeroporto ♦ Itu, S.P. 13304-550 ♦ Brasil
E-mail: haws@hawsco.com ♦ website: www.hawsco.com

No. 2080215(4)

Model H1117.8 Water Cooler

NOTE TO INSTALLER: Please leave this information with the Maintenance Department.

A ground-fault circuit breaker shall be installed in the branch circuit supplying fountain equipment. NEC680-51(a).

CAUTION! Prior to making any electrical connections, verify with a voltmeter that power from the service panel is **off**.

LIMITED WARRANTY

HAWS® warrants that all of its products are guaranteed against defective material or poor workmanship for a period of **one year from date of shipment**. HAWS liability under this warranty shall be discharged by furnishing without charge F.O.B. HAWS Factory any goods, or part thereof, which shall appear to the Company upon inspection to be of defective material or not of first class workmanship, provided that claim is made in writing to company within a reasonable period after receipt of the product. Where claims for defects are made, the defective part or parts shall be delivered to the Company, prepaid, for inspection. HAWS will not be liable for the cost of repairs, alterations or replacements, or for any expense connected therewith made by the owner or his agents, except upon written authority from HAWS, Sparks, Nevada. HAWS will not be liable for any damages caused by defective materials or poor workmanship, except for replacements, as provided above. Buyer agrees that Haws has made no other warranties either expressed or implied in addition to those above stated, except that of title with respect to any of the products or equipment sold hereunder and that HAWS shall not be liable for general, special, or consequential damages claimed to arise under the contract of sale. The drinking fountain manufactured by HAWS is warranted to function if installation and maintenance instructions provided are adhered to. The units also must be used for the purpose for which they were intended.

NO OTHER WARRANTIES EXPRESSED OR IMPLIED ARE AUTHORIZED, PROVIDED OR GIVEN BY HAWS.

SHOULD YOU EXPERIENCE DIFFICULTY WITH THE INSTALLATION OF THIS MODEL, PLEASE CALL:

1-800-766-5612

FOR PARTS CALL:

1-800-758-9378

**(U.S.A. AND CANADA ONLY) MONDAY-THURSDAY: 6:00 A.M. – 4:00 P.M. PST
FRIDAY: 6:00 A.M – 1:00 P.M. PST**

RECOMMENDED TOOLS: Hack saw, pipe joint sealant, screwdriver, level, 12" adjustable wrench, 10" pipe wrench, 5/64" hex key wrench, 9/16", 1/2", 7/16" socket wrench or open end wrench.

LOCATION OF UNIT: The Model H1117.8 Cooler is a wheelchair accessible drinking facility. The height dimensions shown, meet current ADA requirements. When installing this unit, local, state or federal codes should be adhered to. If height other than shown is required, then dimensions must be adjusted accordingly.

SUPPLY LINE: The minimum recommended line size is 1/2"IPS with 30-90 psi (2-6 ATM) flowing pressure. Where sediment or mineral content is a problem, an inlet filter is recommended.

PLUMBING CONNECTIONS: Inlet is 3/8" O.D. tube. Waste trap outlet is female 1-1/4" IPS.

ELECTRICAL CONNECTIONS: 115VAC, 60HZ, 4.7 AMPS. Chiller wired direct to incoming line, by others.

PARTS LIST		
MODEL PACKAGE	QUANTITY	ITEMS INCLUDED
MTGFR.17	1	Mounting Frame
	3	#10 Sheet Metal Screws
HCR8	1	Chiller
H1117.8	1	Bowl Assembly
	1	Package supply tubing and fittings
	1	Grille
	2	Trap 1-1/4" IPS
	1	Package of two each grille attachment clips, clip nuts, #10 sheet metal screws and 6-32 screws
	8	5/16 -18 retainer nuts
	8	5/16 – 18 x 1-1/2 hex head screws

INSTALLATION PROCEDURE

GENERAL NOTES:

The Model H1117.8 Water Cooler assembly requires installation of the mounting frame as described in Steps 1 - 2, then mounting the fountain bowl assembly as described in Steps 3 - 6, and finally completing chiller water and electrical connections and starting chiller per Steps 7 - 11. First check that all required parts are received.

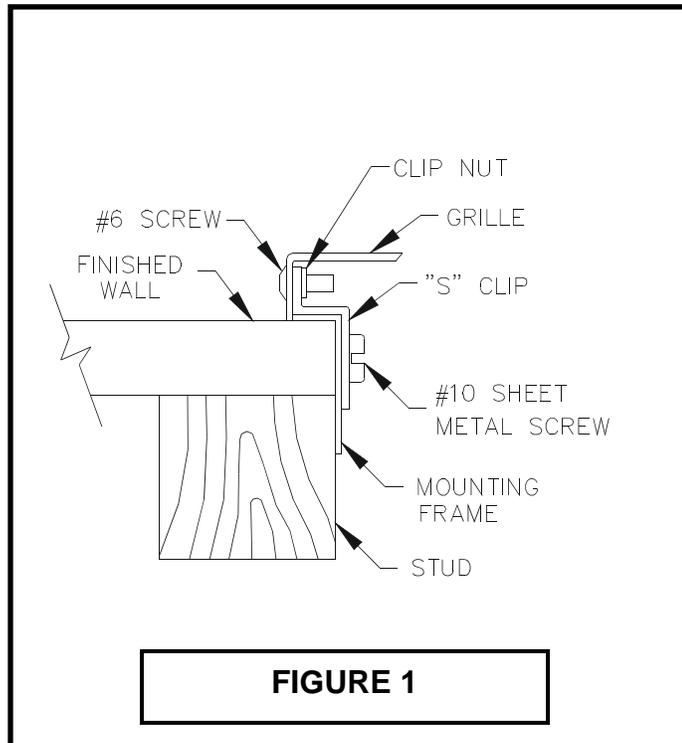
Grounding may cause electrical feedback into the electric drinking fountain causing an electrolysis, which creates a metallic taste or an increase in the metal content of the water. This condition can be avoided by using dielectric couplings in the assembly. The waste line, which is supplied by the installer, should also have a dielectric (plastic) coupling to completely isolate the assembly from the building plumbing system.

For all plastic push-in type fitting connections; push tubing into fitting until it bottoms out to ensure a watertight connection. To remove, depress collet and pull tubing out.

INSTALLATION PROCEDURE...

- Step 1:** Provide wall opening as detailed in Installation Drawing. Frame must be positioned such that frame flanges overlap and butt against finished wall surface. Mounting holes are provided for #6 sheet metal screws. After frame is positioned in wall, swing chiller support tray into position (See Installation Drawing), align tray holes with holes in frame and fasten with #10 sheet metal screws. Mounted frame must support 50-pound chiller in addition to fountain weight and user generated forces.
- Step 2:** Install waste, supply and electrical lines in locations shown in Installation Drawing. Waste and supply lines may be installed for either rear or side entry. Verify proper waste, supply, electrical and frame locations. Use level to verify horizontal and vertical frame mounting to insure proper bowl drainage.
- Step 3:** Installation Drawing shows fountain bowls, back panel and grille locations. Unpack bowls and remove bottom plates using 5/64" hex allen wrench. Install large back panel on frame with narrower edge to bottom. Position nut retainers into mounting frame and use two 5/16-18x1-1/2" hex head screws partially started in outside holes to support panel. Install small back plate with holes toward the top for the standing adult height and holes toward the bottom for the Adult ADA and the Child fountain heights. Install bowl/bracket assemblies onto panel using eight 5/16-18x 1-1/2" hex head screws hand tightened.
- Step 4:** Remove 1-1/4" IPS outlet elbows from traps as supplied. Install elbows inside frame onto waste stub-outs.
- Step 5:** Assemble waste traps onto bowl strainers using seal washers provided and tighten nut hand tight.
- Step 6:** See Figure 1 for detail section view of side screw grille attachment. Unpack grille and insert upper lip behind bottom of back panel, align sides and hold up flush to bottom of back panel. Hold grille against wall and mark centers of grille side slots on wall. Masking tape may be used to prevent finished wall damage from mark. Install the "s" clips in mounting frame using #10 sheet metal screws into pre-drilled holes on lower end of each side of frame. Tighten #10 screw while holding "s" clips centered on wall marks. Check grille fit by installing grille and partially tightening #6-32 socket head screws through side of grille. Ensure proper panel and grille alignment, then tighten eight 5/16-18x1-1/2" hex head screws.
- Step 7:** Unpack and remove chiller from carton. Remove front panel screws and panel. Do not remove insulating putty and foam from copper tubes or Styrofoam insulation from evaporator coil. Remove any inner packing, which may be around compressor. If applicable, remove junction box cover and electrical knock out on lower right side of housing. Install fittings (supplied) on chiller inlet and outlet tubes (see Installation Drawing).
- Step 8:** Thoroughly flush supply line to remove all foreign matter. Remove the grille and connect the 1/2" IPS supply screwdriver stop to stub-out in wall. Place chiller on chiller support tray against right hand side, fully to rear, with condenser (open panel) side facing to front. Install supply 3/8" O.D. tubing (not supplied) between screwdriver stop and chiller inlet. (Cut tubing to proper length, and follow general notes for proper connection procedures for push-in type fittings). Tubing insulation is not normally required on inlet side of chiller. Install insulated tube between fountain and solenoid valve outlet. Cut tubes as required and connect to chiller outlet compression tee assembly. Open screwdriver stop **wide open** while checking for leaks at all connections. Push fountain operator to fill chiller and remove air from tubing.

INSTALLATION PROCEDURE...



- Step 9:** Adjust bubbler stream height using small flathead screwdriver inserted through a hole in the center of the push button for increased flow turn clockwise and for decreased flow turn counterclockwise. If flow problems arise, see troubleshooting guide for additional instructions to correct problem. Bubbler stream may lower during short break-in period. Set initial stream height a little high to minimize or eliminate the need for break-in period readjustment.
- Step 10:** Verify that electrical power is off and power supply voltage, phase and cycle match specifications printed on chiller label. In accordance with local codes, wire directly to incoming lines at internal chiller junction box. Verify that all inner packing is removed and hand rotate fan blade to verify free rotation. Reattach chiller front panel. Turn power on and verify that the chiller cycles off after water reaches proper temperature. Finally check for leaks.
- Step 11:** Install grille and tighten outer side screws. Verify there is chilled water out of bubbler.

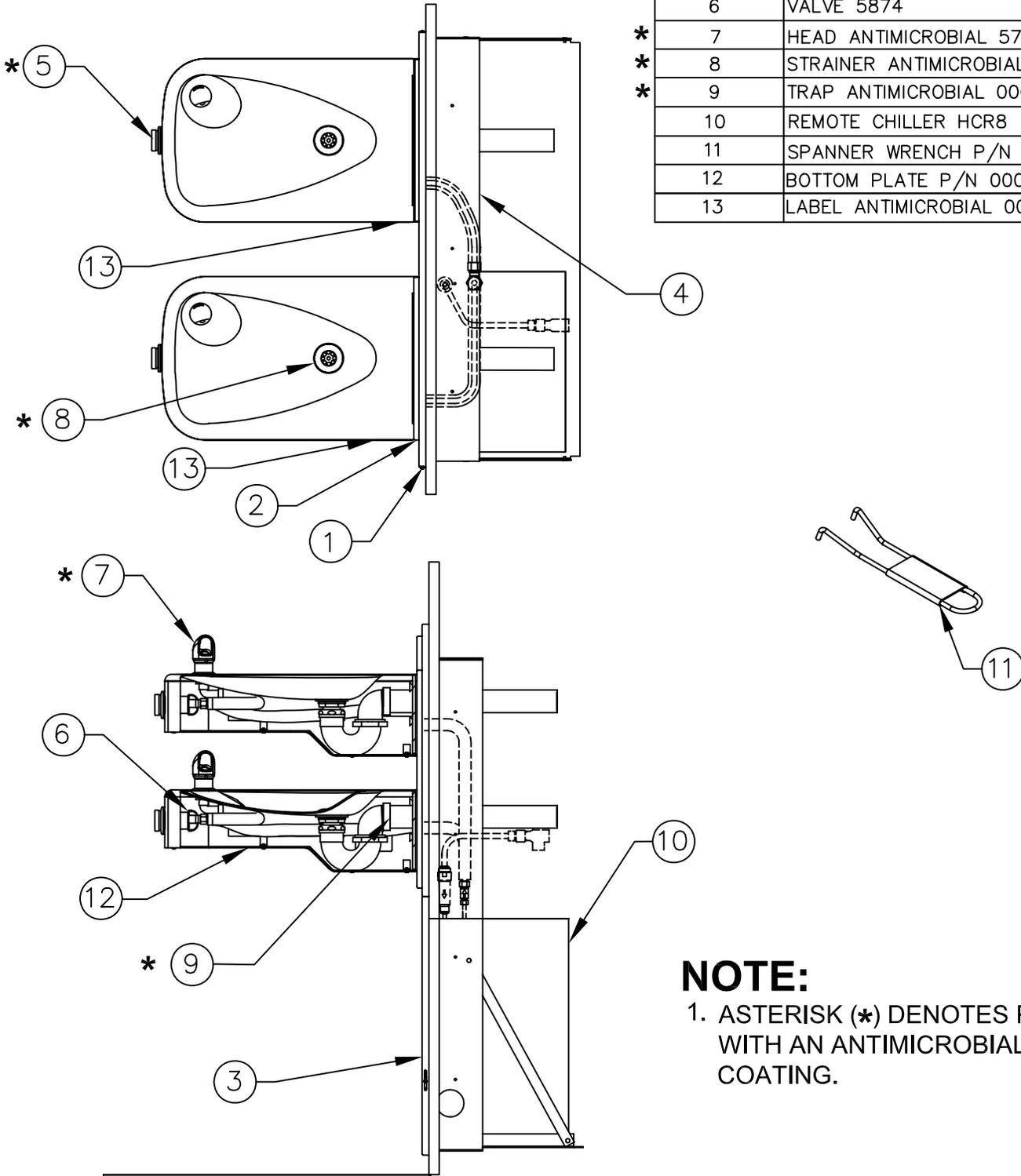
MAINTENANCE

- Step 1:** Periodically clean the strainer located inside the valve body. Refer to 5874 Valve Manual for more information.
- Step 2:** The condenser fins on the chiller should be periodically cleaned with a brush, an air hose or a vacuum cleaner. Care should be taken not to bend or deform the condenser fins.
- Step 3:** The chiller temperature control is factory set for 50 ° F water under normal conditions. For colder water, adjust control clockwise. For warmer water, turn counterclockwise. Remove front chiller panel for access to temperature control. After adjustment allow unit to cycle off before checking outlet water temperature.

TROUBLESHOOTING	
PROBLEM	REPAIR CHECKLIST
1. Insufficient bubbler flow.	1a. Check that inlet screwdriver stop valve is in wide-open position. b. Verify minimum 30 psi flowing supply pressure. c. Clean strainer. See 5874 Valve Manual. d. Adjust valve to increase flow. Use front adjust screw or see 5874 Valve Manual.
2. Water too warm or cold.	a. Adjust chiller temperature control, clockwise for colder water.

PARTS BREAKDOWN

ITEM	DESCRIPTION	
1	BACK PANEL P/N 0004023590	
2	SMALL BACK PANEL P/N 0004023587	
3	GRILLE 1117L P/N 0002626600	
4	MOUNTING FRAME MTGFR.17	
*	5	BUTTON ANTIMICROBIAL PBA6A
6	VALVE 5874	
*	7	HEAD ANTIMICROBIAL 5703MA
*	8	STRAINER ANTIMICROBIAL 6462A
*	9	TRAP ANTIMICROBIAL 0005982901
10	REMOTE CHILLER HCR8	
11	SPANNER WRENCH P/N 0006983506	
12	BOTTOM PLATE P/N 0004449315	
13	LABEL ANTIMICROBIAL 0003149795	



NOTE:

1. ASTERISK (*) DENOTES PARTS WITH AN ANTIMICROBIAL COATING.

WHEN ORDERING PARTS PLEASE SPECIFY YOUR MODEL NUMBER



1455 KLEPPE LANE
SPARKS, NEVADA

BACHWEG 3
CH3401 BURGDORF
SWITZERLAND

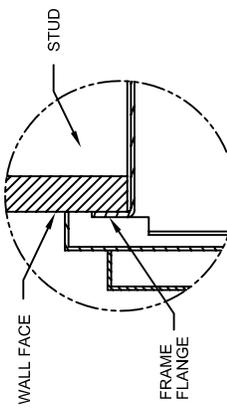
DRAWN BY: C.FENNER	DATE: 10/25/06	CHECK BY:	APP'D BY:	SCALE: 1/1
TITLE: H1117.8			PART NUMBER: 0002080215	
DRAWING TYPE: PARTS BREAKDOWN			DRAWING NUMBER: 15273A00	REV. 4

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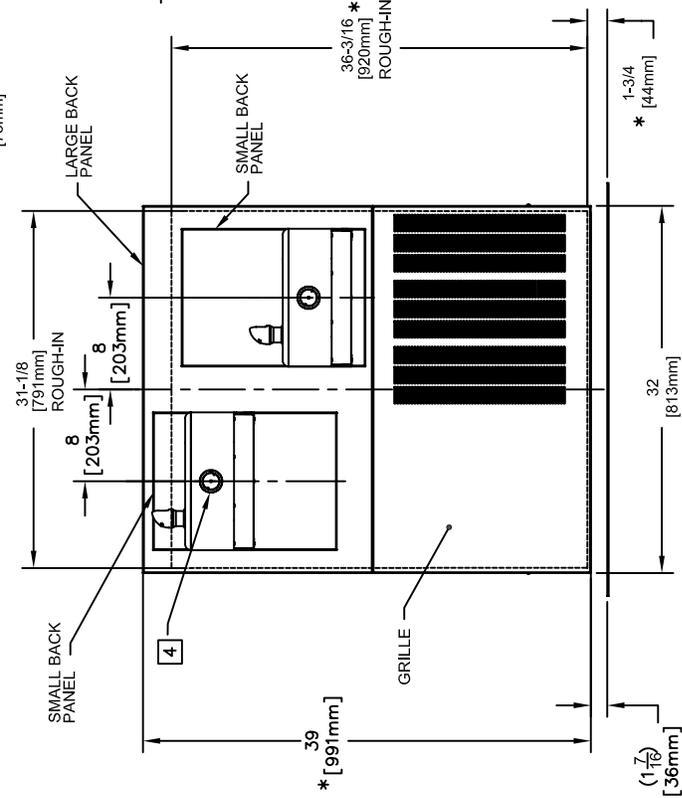
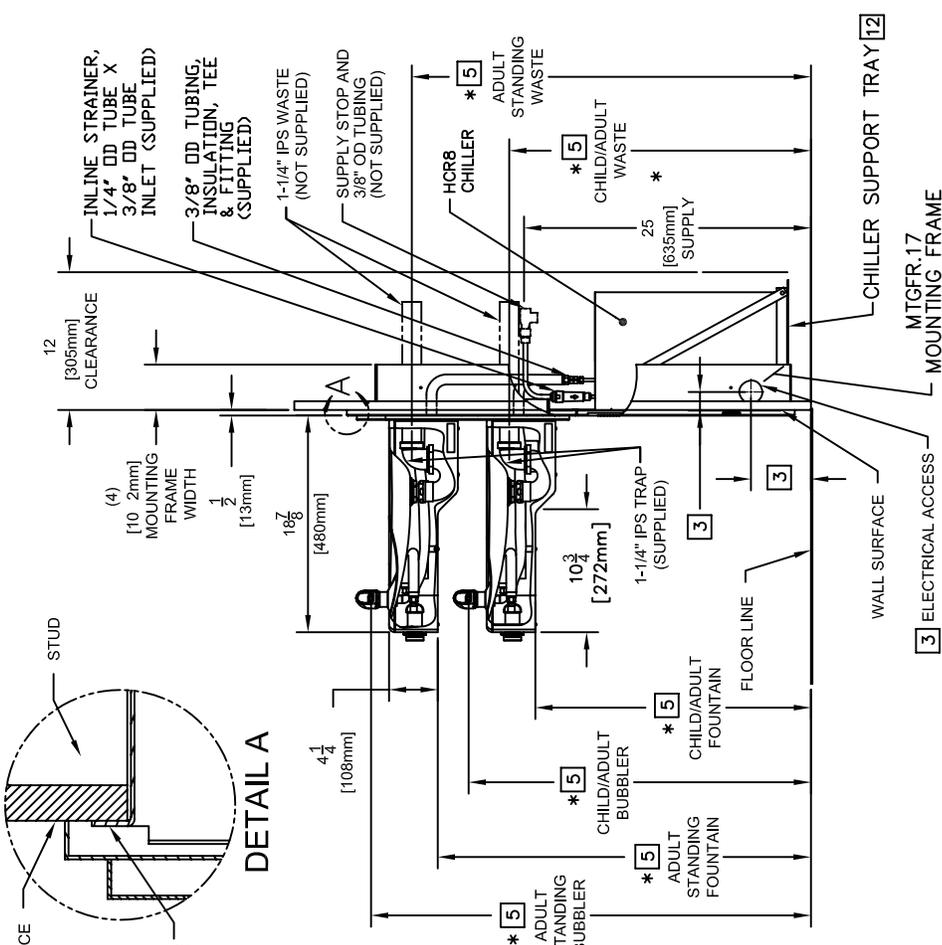
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NOTES CONTINUED ON SHEET 2 OF 2



DETAIL A



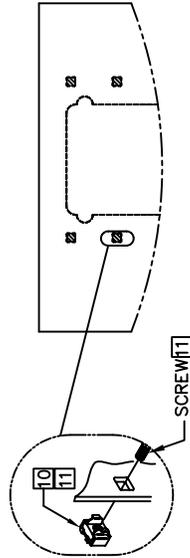
Haws Corporation
 INFO FAX : 1-888-FAX-HAWS (1-888-329-4297)
 1455 Kleppe Ln, Sparks NV, 89431
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 e-mail: Haws@hawsco.com website: www.hawsco.com

FOR NO. 100000 PER INT. 0002080215.D
 C.F. 15274400
 DATE: 10/06
 APPROVER: H1117.8
 INFO FAX DOC # 2411178
 SCALE: 1/4" = 1'-0" DRAWING TYPE: INSTALLATION/FABRACK
 SIZE: A SHT. 1 OF 2

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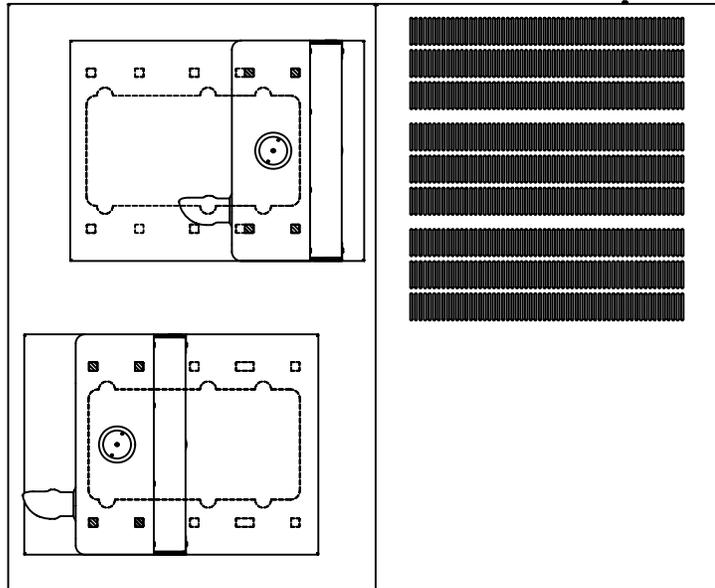
NOTES:

- [7] FIGURES 1 AND 2 ARE REVERSIBLE. CAN BE RIGHT OR LEFT SIDE HIGH.
- [8] USE SHADED HOLES TO MOUNT BOWLS AT INDICATED POSITIONS BASED ON COMBINATION SELECTED (FIGS. 1 THRU 3).
- 9. REFER TO SHEET 1 OF 2 NOTE [5] FOR INSTALLED FOUNTAIN DIMENSIONS.
- [10] INSERT 5/16"-18 PANEL NUT RETAINERS FROM OPPOSITE SIDE AT LOCATIONS SELECTED (SHOWN BY DARKENED HOLES). HOLE COMBINATION SHOWN (INSET) IS FOR REF. ONLY
- [11] TO CHANGE FOUNTAIN MTG. SCREW LOCATIONS: FIRST REMOVE SCREWS AND THEN SQUEEZE CLIPS ON NUT RETAINER TO POP OUT. SNAP INTO NEW POSITIONS AND RE-ASSEMBLE SCREWS.
- [12] ALIGN HOLES IN CHILLER SUPPORT TRAY WITH HOLES IN FRAME AND FASTEN WITH #10 SHEETMETAL SCREWS.



BOWL MOUNTING DETAIL

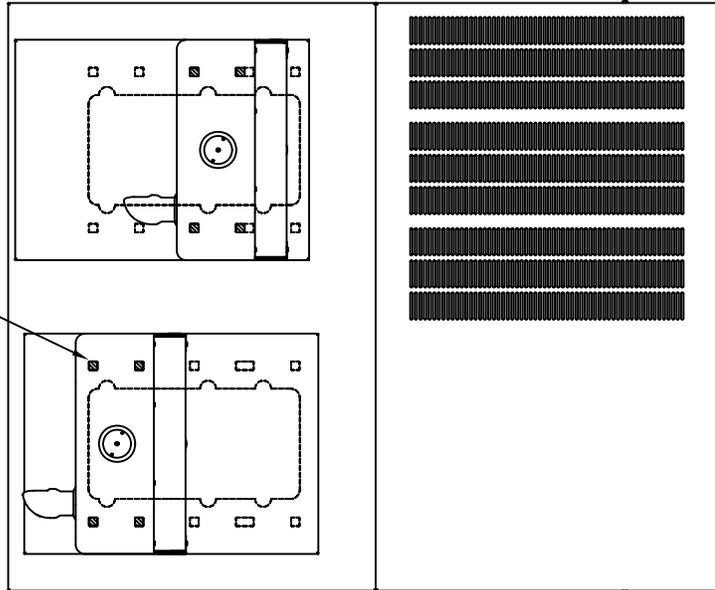
[8] (TYPICAL)



[7]

FIGURE 1.

ADULT STANDING/CHILD WHEELCHAIR



[7]

FIGURE 2.

ADULT STANDING/ADULT WHEELCHAIR

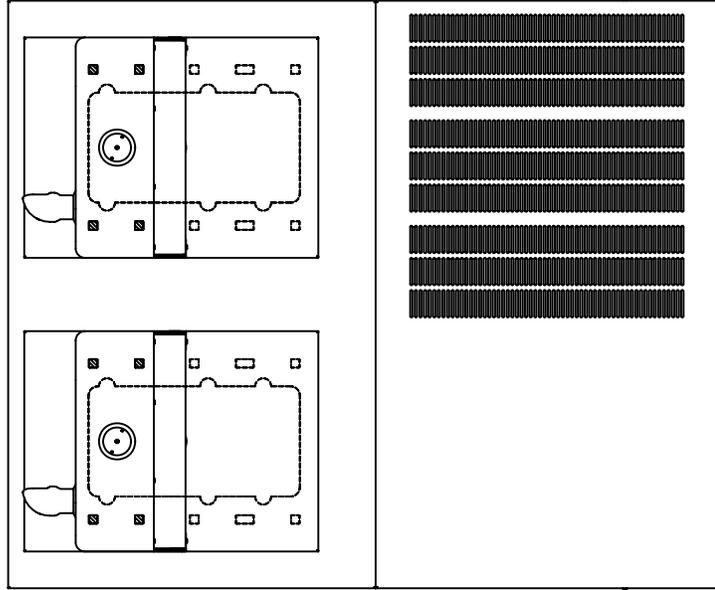


FIGURE 3.

ADULT STANDING/ADULT STANDING

BOWL MOUNTING PATTERNS

		INFO FAX : 1-888-FAX-HAWS (1-888-329-4297) 1455 Kleppe Ln, Sparks NV, 89431 Phone: 775-359-4712 Fax: 775-359-7424 Haws Ag Bachweg 3 CH-3401 Burgdorf Switzerland Haws Mfg Pte Ltd 74 Sungai Kadut Loop Singapore 729531 e-mail: Haws@hawsco.com website: www.hawsco.com	
		PART NUMBER: 0002080215.D	REV: 4
FOR NO. REVISION BY DATE	MODEL(S): H1117.8	INFO FAX DOC # 2411178	
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C.FENNER 10-31-06	DRAWING TYPE:	SHEET: A 1 ST. 2 OF 2	
APPROVER:	INSTALLATION/FABRACK		